

METHOD FOR CONSTRUCTING AN EXPRESSION
LIBRARY AND USES THEREOF

Abstract of the Disclosure

[0076] The present invention provides a method for constructing an expression library containing a gene that is toxic to bacteria, comprising the steps of: (a) isolating genomic DNA from a culture of cells of a first bacterium, wherein said genomic DNA contains a gene toxic to a second bacterium; (b) partially digesting said genomic DNA to produce genetic inserts, wherein at least one of the genetic inserts contains a gene to said second bacterium; (c) cloning said genetic inserts into a cloning vector; (d) ligating together, under suitable ligation conditions, said genetic inserts and said cloning vector, to produce ligation products; (e) transforming said ligation products directly into yeast; and (f) amplifying said ligation products in said yeast. Also provided are an expression library constructed in accordance with this method and a method for screening for a gene that is toxic to bacteria using said expression library.

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